

**Table 1 - Quantity of Bank and Sediment Material Generated during the month of January
January 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity Transported to Stockpile Management Areas		
Date	Location	non-TSCA	TSCA	NAPL impacted
Bank Soil and Sediment				
1/7/03	Cell 6	136		
1/8/03	Cell 6	119		
1/9/03	Cell 6		314.5	
1/10/03	Cell 6		272	
1/13/03	Cell 6	68	170	
1/14/03	Cell 6	289	8.5	
1/15/03	Cell 6	110.5	8.5	
		722.5	773.5	
1/16/03	Cell 6A	9	81	
1/17/03	Cell 6A	144	18	
1/20/03	Cell 6A	315		
1/21/03	Cell 6A	315		
1/22/03	Cell 6A	216		
1/23/03	Cell 6A	279		
1/24/03	Cell 6A	306		
1/27/03	Cell 6A	441		
1/28/03	Cell 6A	459		
1/29/03	Cell 6A	144		
		2628	99	
	Monthly total from bank soil and sediment	3350.5	872.5	

Note:

All quantities are in compacted or "in-place" cubic yards. Due to cold and icy site conditions loads are estimated at 8.5cy per truck for Cell 6. Quantities for Cell 6A are estimated at 9cy per truck.

**Table 2 - Quantity of Bank and Sediment Material Excavated to Date
January 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity of Bank and Sediment Material Excavated to Date			
Date	Location	non-TSCA	TSCA	NAPL impacted	Total
09/26/02 to 10/02/02	Cell 1A	101	0	53	154
10/02/02 to 10/04/02	Cell 1B	60	0	110	170
10/18/02 to 10/29/02	Cell 2	874	175	0	1049
11/11/02 to 11/15/02	Cell 3	183	0	200	383
11/18/02 to 11/25/02	Cell 4	2283	198	0	2481
12/03/02 to 12/10/02	Cell 5	1629	369	0	1998
01/07/03 to 01/15/03	Cell 6	832	658	0	1490
01/10/03 to 01/29/03	Cell 6A	2611	68	0	2679
	Total	8573	1468	363	10404

Note:

All quantities determined by pre- and post- excavation surveying.

**Table 3 - Quantity of Material Transferred to OPCAs to Date
January 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity Transported to OPCAs	
Date	Location	Hill 78 (non-TSCA)	Bldg. 71 (TSCA)
Site Preparation Activities			
09/11/02	Building 65 Stockpile Management Area	225	
Bank Soil and Sediment			
12/05/02 to 12/19/02	Building 65 Stockpile Management Area	4718 (1)	910 (1)
	Project Totals	4943	910

Note:

All quantities are in compacted or "in-place" cubic yards.

(1) Estimated at 14cy per truck.

**Table 4 - NPDES Sampling Results for Water Treatment System
January 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in part per billion, ppb)

Sample ID	Location	Date Collected	Aroclor 1016, 1221, 1232, & 1248	Aroclor 1242	Aroclor 1254	Aroclor 1260	Total PCBs
H2-WW000001-0-3J20	Influent	01/20/2003	ND(2.6)	ND(2.6)	ND(2.6)	27	27
H2-WW000002-0-3J20	Intermediate	01/20/2003	ND(0.013)	ND(0.013)	0.11	0.042	0.15
H2-WW000003-0-3J20	Effluent	01/20/2003	ND(0.012)	ND(0.012)	0.076	0.040	0.12
Action Level	Effluent		0.50	0.50	0.50	0.50	0.50

Notes:

ND(0.012) - Analyte was not detected. The value in parentheses is the associated detection limit.

Intermediate - sample collected between carbon units which are being operated in series.

J - Indicates an estimated value

1/20/03 - monthly sampling

**Table 4a - NPDES non-PCB Sampling Results for Water Treatment System
January 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in part per billion, ppb)

Sample ID	H2-WW000001-0-2D18	H2-WW000002-0-2D18	H2-WW000003-0-2D18	NPDES Permit Regulatory
Sample type	Influent	Intermediate	Effluent	
Date Collected	12/18/2002	12/18/2002	12/18/2002	
Analyte				
APP IX SEMIVOLATILES				
1,2,4-TRICHLOROBENZENE	3.0 J	ND	ND	70
BIS(2-ETHYLHEXYL) PHTHALATE	ND	ND	2.4 J	100
BUTYLBENZYLPHTHALATE	1.8 J	ND	ND	N/A
APP IX VOLATILES				
1,2,4-TRICHLOROBENZENE	2.2	ND	ND	70
ACETONE	4.4 J	ND	ND	100
ACRYLONITRILE	5.4	ND	ND	N/A
BENZENE	0.37 J	ND	0.37 J	5*
CARBON TETRACHLORIDE	1.9	0.53 J	ND	N/A
CHLOROBENZENE	0.91 J	ND	ND	100
CHLOROFORM	0.57 J	0.30 J	ND	100
CIS-1,2-DICHLOROETHENE	0.74 J	ND	ND	N/A
M,P-XYLENE (SUM OF ISOMERS)				*
METHYLENE CHLORIDE	0.27 J	ND	ND	N/A
NAPHTHALENE	0.21 J	ND	ND	100
TERT-BUTYL METHYL ETHER	49.0	18.0	2.0	70
TRICHLOROETHYLENE (TCE)	2.4	ND	ND	N/A
METALS				
BARIUM	20.3	---	16.6	100
COPPER	6.2	---	4.3	100
LEAD	4.5	---	9.0	50
NICKEL	1.7	---	3.8	100
ZINC	66.2	---	570	500
ORGANIC				
PETROLEUM HYDROCARBON	ND	ND	ND	5000

NOTES:

* Total BTEX (Benzene, Toluene, Ethyl Benzene and Xylene) can not exceed 100 ppb
Intermediate - sample collected between carbon units which are being operated in series.

Only detected constituents are summarized

ND - not detected

--- not sampled

J - Indicates an estimated value

570 Exeedence of permit limit

**Table 5 - Backfill Material Testing Results
January 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in part per million, ppm)

Sample ID	H2-OT000032-0-3J10	H2-OT000050-0-3J10	Regulatory Limits (1)
Sample type	Filter Layer A	Common Fill	
Date Collected	1/10/2003	1/10/2003	
Analyte			
APP IX SEMIVOLATILES			
BIS(2-ETHYLHEXYL) PHTHALATE	0.015 J	---	100
APP IX VOLATILES			
4-METHYL-2-PENTANONE	0.0022 J	---	0.5
ACETONE	0.012	---	3
METALS			
ARSENIC	2.3	---	30
BARIUM	39.6	---	1000
BERYLLIUM	0.15	---	0.7
CHROMIUM	5.6	---	1000
COBALT	6.1	---	500
COPPER	9.1	---	1000
LEAD	3.4	---	300
NICKEL	9.2	---	300
SELENIUM	0.32	---	400
TIN	0.51	---	10
VANADIUM	6.2	---	400
ZINC	27.4	---	2500
ORGANIC			
PETROLEUM HYDROCARBON	ND	ND	200*
PCBS			
PCB, TOTAL	ND	ND	0.1*

Notes:

Only detected constituents are summarized

J - Indicates an estimated value

ND - not detected

--- not sampled

(1) - Material Rejected, failed to meet 0.1 ppm project specific limit. None of this material was used on the

(2) - Massachusetts contingency plan S-1 limits

* - Project specific acceptable levels for backfill

NA - S-1 standard not available for this compound

**Table 6 - Daily Air Monitoring Results
January 2003 Monthly Report**

**GE/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Date Collected	Sample Location	Average Site Concentration (mg/m³)	Average Period (Hours:Min)
01/01/2003	Upwind	**	**
	Downwind	**	**
	Background	**	**
01/02/2003	Upwind	**	**
	Downwind	**	**
	Background	**	**
01/03/2003	Upwind	**	**
	Downwind	**	**
	Background	**	**
01/06/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
01/07/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
01/08/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
01/09/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
01/10/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
01/13/2003	Upwind	0.01	7:00
	Downwind	0.011	7:00
	Background	---	---
01/14/2003	Upwind	0.004	9:00
	Downwind	0.011	9:00
	Background	---	---
01/15/2003	Upwind	0.008	8:00
	Downwind	0.014	8:00
	Background	---	---
01/16/2003	Upwind	0.007	7:00
	Downwind	0.006	6:00
	Background	---	---
01/17/2003	Upwind	---	---
	Downwind	---	---
	Background	---	---
01/20/2003	Upwind	0.016	3:00
	Downwind	0.016	3:00
	Background	---	---

**Table 6 - Daily Air Monitoring Results
January 2003 Monthly Report**

**GE/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Date Collected	Sample Location	Average Site Concentration (mg/m³)	Average Period (Hours:Min)
01/21/2003	Upwind	0.011	7:00
	Downwind	0.004	7:00
	Background	---	---
01/22/2003	Upwind	0.008	8:00
	Downwind	0.006	7:00
	Background	---	---
01/23/2003	Upwind	0.007	7:00
	Downwind	0.004	7:00
	Background	---	---
01/24/2003	Upwind	0.006	4:00
	Downwind	0.005	6:00
	Background	---	---
01/27/2003	Upwind	---	---
	Downwind	---	---
	Background	---	---
01/28/2003	Upwind	0.007	8:00
	Downwind	0.006	8:00
	Background	---	---
01/29/2003	Upwind	0.03	8:00
	Downwind	0.029	8:00
	Background	---	---
01/30/2003	Upwind	0.018	8:00
	Downwind	0.02	8:00
	Background	---	---
01/31/2003	Upwind	0.027	5:00
	Downwind	0.03	5:00
	Background	---	---
notification level		0.120	
action level		0.150	

Notes:

N/A - Not available due to precipitation

--- - No reading due to technical difficulties with monitoring equipment

** Holiday break, no river work/construction activities were performed

**Table 7 - Daily Water Column Turbidity Monitoring Results
January 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Date	Flow at Coltsville (cfs)	Location	Turbidity		
			Average	High	Low
01/01/2003	**	Both monitoring Locations	**	**	**
01/02/2003	**	Both monitoring Locations	**	**	**
01/03/2003	**	Both monitoring Locations	**	**	**
01/06/2003	107	Upstream of Lyman Street Bridge	1.7	2.4	1.3
		Upstream of Elm Street Bridge	6.8	7.8	5.7
01/07/2003	97	Upstream of Lyman Street Bridge	1.6	2.0	1.3
		Upstream of Elm Street Bridge	6.9	8.5	4.7
01/08/2003	103	Upstream of Lyman Street Bridge	1.5	2.1	1.3
		Upstream of Elm Street Bridge	6.7	8.3	4.4
01/09/2003	118	Upstream of Lyman Street Bridge	2.0	2.7	1.6
		Upstream of Elm Street Bridge	8.0	11.2	5.6
01/10/2003	111	Upstream of Lyman Street Bridge	2.1	2.9	1.4
		Upstream of Elm Street Bridge	8.0	10.4	6.4
01/13/2003	69	Upstream of Lyman Street Bridge	2.2	2.8	1.6
		Upstream of Elm Street Bridge	6.9	8.2	5.9
01/14/2003	63	Upstream of Lyman Street Bridge	2.4	2.7	2.0
		Upstream of Elm Street Bridge	7.1	10.4	5.9
01/15/2003	68	Upstream of Lyman Street Bridge	NR	NR	NR
		Upstream of Elm Street Bridge	6.2	11.1	-0.2
01/16/2003	66	Downstream of Lyman Street Bridge	3.4	3.9	3.0
		Upstream of Elm Street Bridge	2.2	5.1	1.3
01/17/2003	69	Downstream of Lyman Street Bridge	2.0	2.2	1.6
		Upstream of Elm Street Bridge	0.0	0.9	-0.5
01/20/2003	62	Downstream of Lyman Street Bridge	1.2	1.5	1.1
		Upstream of Elm Street Bridge	-0.2	0.2	-0.6
01/21/2003	59	Downstream of Lyman Street Bridge	1.0	1.1	0.8
		Upstream of Elm Street Bridge	0.0	0.5	-0.4
01/22/2003	51	Downstream of Lyman Street Bridge	1.1	1.4	1.0
		Upstream of Elm Street Bridge	0.1	0.8	-0.2
01/23/2003	51	Downstream of Lyman Street Bridge	1.0	1.1	0.9
		Upstream of Elm Street Bridge	-1.4	-1.1	-1.7
01/24/2003	51	Downstream of Lyman Street Bridge	0.9	1.1	0.8
		Upstream of Elm Street Bridge	-1.5	-1.2	-2.0
01/27/2003	42	Downstream of Lyman Street Bridge	0.8	0.9	0.8
		Upstream of Elm Street Bridge	-1.5	-1.3	-1.7
01/28/2003	39	Downstream of Lyman Street Bridge	2.0	2.2	1.8
		Upstream of Elm Street Bridge	0.2	0.6	-0.4
01/29/2003	40	Downstream of Lyman Street Bridge	1.9	2.1	1.6
		Upstream of Elm Street Bridge	-0.2	0.2	-0.5

**Table 7 - Daily Water Column Turbidity Monitoring Results
January 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Date	Flow at Coltsville (cfs)	Location	Turbidity		
			Average	High	Low
01/30/2003	38	Downstream of Lyman Street Bridge	1.2	1.3	1.0
		Upstream of Elm Street Bridge	0.9	12.0	-1.4
01/31/2003	37	Downstream of Lyman Street Bridge	0.8	0.9	0.8
		Upstream of Elm Street Bridge	-1.3	-1.0	-1.6

Notes:

Turbidity Action Level - Average Downstream (Elm Street) \geq Average Upstream (Lyman Street) + 50 ntu

cfs - Cubic feet per second

ntu - nephelometric turbidity units

NR - No reading. Turbidity probe at the Lyman Street location being moved and recalibrated. Turbidity probe at

** Holiday break, no river work/construction activities were performed

Negative values are attributed to +/- 2ntu accuracy of the turbidity probe

Measurements collected using YSI 6200 Data Acquisition System using 600 OMS

sonde with a 6136 Turbidity Probe

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA

at approximately midday.

**Table 8 - Summary of Turbidity, PCB, and TSS Water Column Monitoring Results
January 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Location	Date	Estimated Flow (cfs)	Turbidity			Water Temp. (°C)	Water Temp. End(°C)	Calculated Flow Beginning (cfs)	Calculated Flow End (cfs)	Sample ID	Total PCB Concentration (ug/l)	Filtered PCB Concentration (ug/l)
			High	Low	Daily Average							
Upstream of Newell St. Bridge	01/09/03	118	---	---	---	---	---	N/A	N/A	H0-SW000054-0-3J09	---	---
Upstream of Lyman St. Bridge	01/09/03	118	2.7	1.6	2.0	1.17*	---	---	---	H1-SW000053-0-3J09	ND(0.013)	ND(0.013)
Upstream of Lyman St. Bridge (duplicate)	01/09/03	118	2.7	1.6	2.0	1.17*	---	---	---	H1-SW000053-1-3J09	ND(0.013)	---
Upstream of Elm St. Bridge	01/09/03	118	11.2	5.6	8.0	---	---	---	---	---	---	---
Downstream of Pomeroy Ave. Bridge	01/09/03	118	---	---	---	1.3**	1.0**	ice	ice	H2-SW000052-0-3J09	0.24	ND(0.013)
Upstream of Newell St. Bridge	01/22/03	Due to ice present at the sampling location, water column samples were not collected.										
Upstream of Lyman St. Bridge	01/22/03	Due to ice present at the sampling location, water column samples were not collected.										
Upstream of Elm St. Bridge	01/22/03	Due to ice present at the sampling location, water column samples were not collected.										
Downstream of Pomeroy Ave. Bridge	01/22/03	Due to ice present at the sampling location, water column samples were not collected.										

Notes:

PCB Action Level - Downstream (Pomeroy Avenue) \geq Upstream (Lyman Street) + 5 ug/L

N/A - A rating curve is not yet established at the Newell Street Location, therefore, no flow can be calculated

cfs - Cubic feet per second

ntu - nephelometric turbidity units

--- - No data obtained

* - Temperature measured YSI 600 oms system.

** - Temperature measured using hand held stainless steel thermometer.

ice - Flow was not calculated due to ice present at the staff gage location.

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.

1/09/03 - Due to extreme cold, water column samples are collected manually as 4 part grab samples.

Two flow values calculated, one at the beginning of the sampling event and one at the end of sampling event.

TSS (mg/l)

3.0

2.8

**Table 9 - Equipment Confirmatory Wipe Samples
January 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in $\mu\text{g}/100 \text{ cm}^2$)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-XI000034-0-3J15	01/15/2003	ND(0.5)	2.2	ND(0.5)	2.2
H2-XI000035-0-3J15	01/15/2003	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Notes:

PCB Action Level - 10.0 mg/100 cm²

ND(0.5) - Analyte was not detected. The value in parentheses is the associated detection limit.

**Table 10 - PCB Air Sampling Results
January 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in $\mu\text{g}/\text{m}^3$)

Sample ID	Location*	Date Collected	Aroclor 1016, & 1242	Aroclor 1221, 1232, & 1248	Aroclor 1254	Aroclor 1260
H2-AR000007-0-3J23	background	01/23/2003	NR	NR	NR	NR
H2-AR000012-0-3J23	AR000012	01/23/2003	NR	NR	NR	NR
H2-AR000013-0-3J23	AR000013	01/23/2003	NR	NR	NR	NR
H2-AR000014-0-3J23	AR000014	01/23/2003	NR	NR	NR	NR
H2-AR000014-1-3J23 (duplicate)	AR000014	01/23/2003	NR	NR	NR	NR
H2-AR000015-0-3J23	AR000015	01/23/2003	NR	NR	NR	NR

Notes:

Notification Level: $0.05\mu\text{g}/\text{m}^3$

Action Level: $0.1\mu\text{g}/\text{m}^3$

NR - Not yet reported

* - See Figure 1 for locations

Total PCBs
NR
NR
NR
NR
NR
NR

**Table 11 - NAPL-Impacted Material Characterization Testing Results
January 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in part per million, ppm)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-OT000051-0-3J02	01/02/2003	ND(4.5)	34.0 J	28.0	62.0
H2-OT000052-0-3J02	01/02/2003	ND(4.7)	36.0	28.0	64.0
H2-OT000053-0-3J02	01/02/2003	ND(4.8)	21.0 J	23.0	44.0

Notes:

ND(4.5) - Analyte was not detected. The value in parentheses is the associated detection limit.